

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A ONE- WAY TEMPORARY TRAFFIC SIGNAL FOR MD 35 OVER BRANCH OF WILLS CREEK BRIDGE REPLACEMENT LOCATED IN ALLEGANY COUNTY. A SINGLE LANE SHALL BE IN OPERATION DURING THE TWO PHASES OF THE MOT CONSTRUCTION SEQUENCE.

INTERSECTION OPERATION

A POLE MOUNTED NEMA SIZE 5 CABINET SHALL BE INSTALLED AT THIS LOCATION. THE SIGNAL WILL OPERATE IN A NEMA 6 SEQUENTIAL PHASING SEQUENCE. THE TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED AT THE COMPLETION OF THE BRIDGE CONSTRUCTION PROJECT.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. GEORGE H. SMALL, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 729-8444
MR. JOHN TRUE, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (301) 729-8411
MR. ANTHONY CRAWFORD, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 729-8457
MR. ROBERT ROWAN, UTILITY ENGINEER
PHONE: (301) 729-8439
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630
MR. ROBERT SNYDER, ASSISTANT DIVISION CHIEF OF TOD - PHONE DROP
PHONE: (410) 787-7631

2. TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATION STANDARD NO. MD 104.06-04 FOR ONE LANE ROAD (SIGNAL CONTROLLED) 2-LANE, 2-WAY FOR YOUR TRAFFIC CONTROL SIGNING.

EQUIPMENT LIST

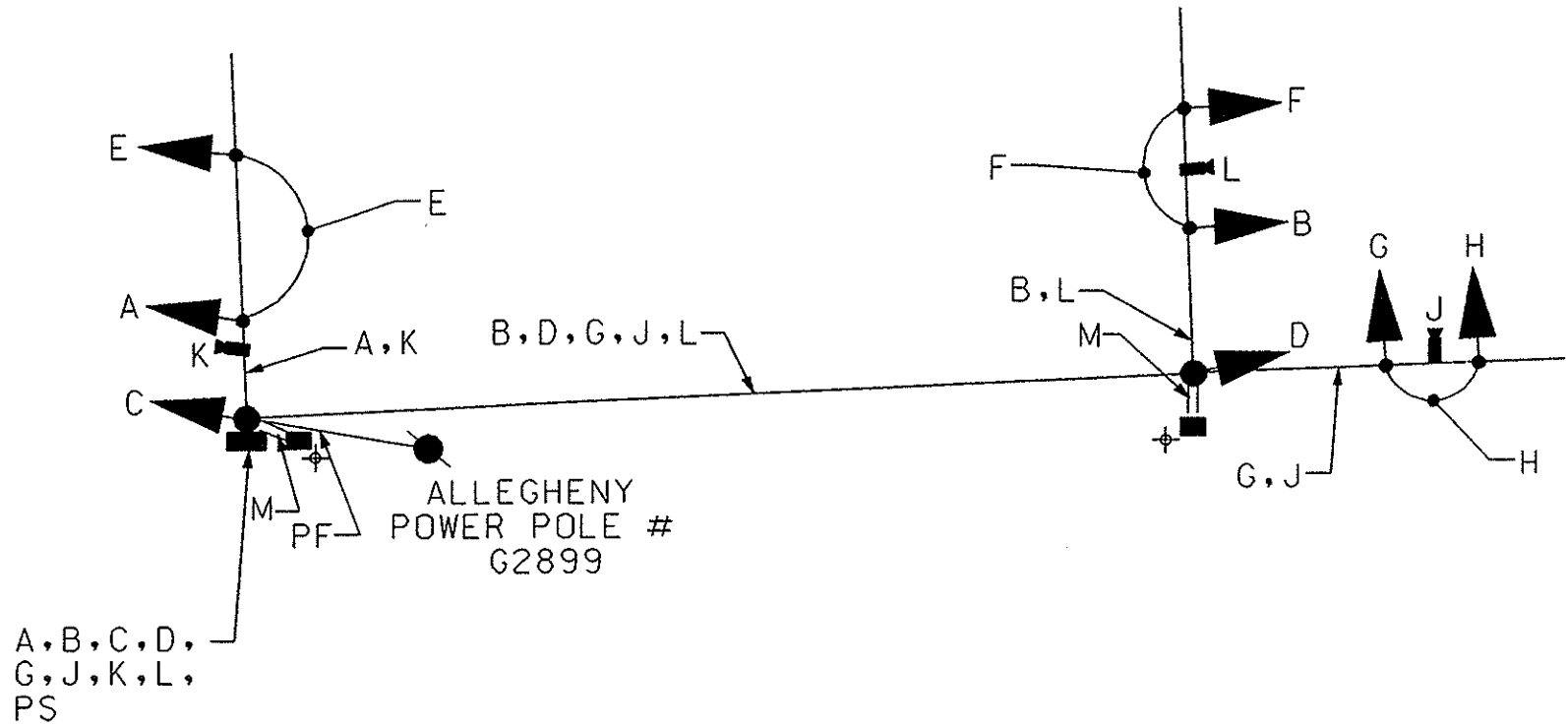
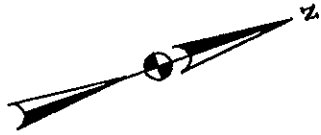
A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
900000	STEEL POLE WITH TWIN 50 FOOT MAST ARMS	EA	1
900000	VIDEO INTERFACE EQUIPMENT 1-4 CAMERAS	EA	1
971016	EIGHT PHASE (FULLY ACTUATED CONTROLLER AND CABINET POLE MOUNT)		
973023	SHEET ALUMINUM SIGNS CONSISTING OF: R10-6 (36" X 24") GROUND MOUNT R10-11b (30"X30") MAST ARM MOUNT R3-2 (30"X30") MAST ARM MOUNT W3-3(36"X36") GROUND MOUNT M4-7(24"X12") GROUND MOUNT	SF EA EA EA EA EA	53 3 1 1 2 2
974019	STEEL POLE WITH A SINGLE 40 FOOT MAST ARM	EA	1

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

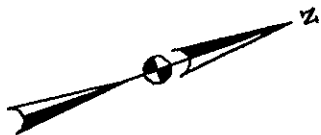
CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
203030	TEST PIT EXCAVATION	CY	1
585624	24 INCH HEAT APPL. WHITE PERMANENT PREFORMED THERMO. PAVEMENT MARKING	LF	40
800000	ANCHOR BOLTS (1 1/2" DIA. X 54")	EA	4
800000	ANCHOR BOLTS (1 3/4" DIA. X 66")	EA	4
800000	CONTROL CABLE, 100 FOOT VIDEO DETECTION CAMERA TO CONTROLLER	EA	1
800000	CONTROL CABLE, 200 FOOT VIDEO DETECTION CAMERA TO CONTROLLER	EA	2
801004	CONCRETE FOR SIGNAL FOUNDATIONS	CY	8
801106	INSTALL WOOD SIGN SUPPORTS 4 IN. X 6 IN.	LF	80
802501	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	20
805050	WEATHER HEAD 3 INCH	EA	2
805135	3 INCH SCHED. 80 PVC CONDUIT-TRENCHED	LF	20
807400	ELECTRICAL UTILITY SERVICE EQUIPMENT 120/240 VOLTS 60 AMPS	EA	1
810010	CABLE 1-CONDUCTOR, NO. 4 AWG-THHN/THWN	LF	100
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	2
813014	INSTALL GROUND MOUNTED SIGN	SF	40
813015	INSTALL OVERHEAD SIGN	SF	13
816001	VIDEO DETECTION CAMERA	EA	3
837001	GROUND ROD - 3/4 INCH DIA. X 10 FOOT LENGTH	EA	2
860284	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	24
860292	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE	EA	1
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	635
866204	INSTALL STEEL POLE AND SINGLE MAST ARM, ANY SIZE	EA	1
866205	INSTALL STEEL POLE AND TWIN MAST ARM, ANY SIZE	EA	1
869102	3/8 INCH STEEL SPAN WIRE	LF	150
871201	INSTALL CONTROLLER AND CABINET - POLE MOUNT	EA	1

WIRING DIAGRAM



- KEY
- A
B
C
D
E
F
G
H
J
K
L
M
PS
PF
+
 - 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
 - VIDEO DETECTION CABLE
 - 1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE
 - POWER SERVICE UNDERGROUND 3 WIRE 1 CONDUCTOR (NO. 4 AWG)
 - PROPOSED OVERHEAD POWER FEED BY OTHERS
 - GROUND ROD

PHASE CHART



1	2	3	4	5	6	5	6
(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)
(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)

PHASE 1	G	G	G	R	R	R	R	R	±
1 CHANGE	Y	Y	Y	R	R	R	R	R	→
PHASE 2	R	R	R	R	R	R	R	R	±
PHASE 3	R	R	R	G	G	G	R	R	←
3 CHANGE	R	R	R	Y	Y	Y	R	R	±
PHASE 4	R	R	R	R	R	R	R	R	±
PHASE 5	R	R	R	R	R	R	G	G	↓
5 CHANGE	R	R	R	R	R	R	Y	Y	±
PHASE 6	R	R	R	R	R	R	R	R	±
FLASHING OPERATION	STEADY RED	STEADY RED	STEADY RED	STEADY RED	STEADY RED	STEADY RED	STEADY RED	STEADY RED	±

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 35 OVER BRANCH OF WILLS CREEK
BRIDGE NO. 01068 REPLACEMENT
ELLERSLIE, MARYLAND

MOT (PHASE 1) TEMPORARY TRAFFIC SIGNAL GENERAL INFORMATION PLAN

SCALE NONE DATE 11/7/2006 CONTRACT NO. AL6205180

DESIGNED BY S. SMITH COUNTY ALLEGANY
DRAWN BY S. SMITH LOGMILE 010036002.16 TO 010036002.24
CHECKED BY J. WEAVER TMS NO. H136
FAP NO. TOD NO.

TS NO. 4450 DRAWING PSG OF N001 SHEET NO. 10 OF 66

SABRA, WANG & ASSOCIATES, INC.
1604 10th AVENUE
SUITE 160
BALTIMORE, MD 21227
(410) 737-6564
WWW.SABRA-WANG.COM